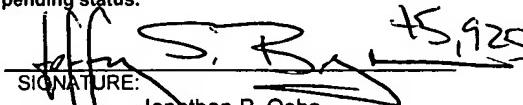
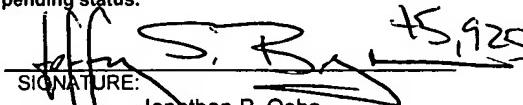
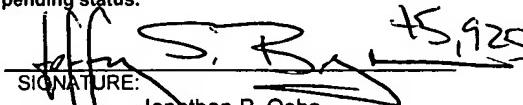


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>15250/006001</b> U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/533483</b>
INTERNATIONAL APPLICATION NO. PCT/JP2003/013899	INTERNATIONAL FILING DATE 30 October 2003	PRIORITY DATE CLAIMED 1 November 2002
TITLE OF INVENTION    OPTICAL MULTIPLEXER/DEMULTIPLEXER AND MANUFACTURING METHOD FOR OPTICAL . . .		
APPLICANT(S) FOR DO/EO/US    Koichi Furusawa et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul> </p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2))           <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul> </p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ul> </p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). <b>(UNSIGNED)</b></p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</p>		
Items 11 to 20 below concern document(s) or information included:		
<p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: Return Receipt Postcard</p>		

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10/533483  
JC20 Rec'd PCT/PTO 29 APR 2005

Application No. (if known): Not Yet Assigned

Attorney Docket No.: 15250/006001

## Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV644973806US in an envelope addressed to:

MS PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on April 29, 2005  
Date

  
\_\_\_\_\_  
Signature

Beri W. Hartwell

\_\_\_\_\_  
Typed or printed name of person signing Certificate

n/a \_\_\_\_\_ (713) 228-8600  
Registration Number, if applicable Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Application Data Sheet (5 pages)  
Oath or declaration of the inventor(s) (UNSIGNED) (5 pages)  
Transmittal Letter to the United States Designated-Elected Office (2 pages)  
Payment by credit card. Form PTO-2038 is attached (1 page)  
Charge \$9,940.00 to credit card  
English language translation of the International application (230 pages)

10/533483  
JC20 Rec'd PCT/PTO 29 APR 2005

PATENT APPLICATION  
ATTORNEY DOCKET NO. 15250.006001

**APPLICATION  
FOR  
UNITED STATES LETTERS PATENT**

**TITLE:** OPTICAL MULTIPLEXER/DEMULITPLEXER AND  
MANUFACTURING METHOD FOR OPTICAL  
MULTIPLEXER/DEMULITPLEXER

**APPLICANTS:** Koichi FURUSAWA, Kazuki FUKUDA,  
Yoichi NAKANISHI, Masayusa OHNISHI,  
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"EXPRESS MAIL" Mailing Label Number: EV644973806US  
Date of Deposit: APRIL 29, 2005